



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

10466-44

Date of Issuance:

OCT 27 2004

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Ultra-Fresh PF-1
Fungicide

Name and Address of Registrant (include ZIP Code):

Thompson Research Associates
400-95 King Street East
Toronto, ON Canada M5C 1G4

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c) (5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. "10466-44".
- b. On the label and Technical Data Sheet change "For non-food contact surfaces and applications only." to "For non-food contact and non-drinking water surfaces and applications only."
- c. Delete the following statement from the Technical Data Sheet "This lis is only intended to give examples. . . to be effective." This statement implies that the product can be used for an unlimited number of uses which EPA has not reviewed or approved.
- d. On the Technical Data Sheet change "Ultra-Fresh products are only. . . ." to "Ultra-Fresh pesticide products are only. . . ."

Signature of Approving Official:

Marshall Swindell
Marshall Swindell Acting Product Manager
Team 33/RMB1/Antimicrobial Division

Date:

OCT 27 2004

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

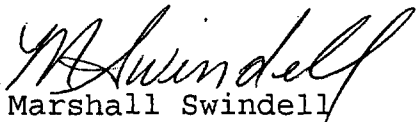
A stamped copy of the label is enclosed for your records.

A Waiver of the Acute Inhalation Toxicity data requirement has been granted.

The Agency's chemist previously considered that your product was formulated through and integrated process resulting in the formation of various components through chemical reaction. A further analysis of the chemistry data and Confidential Statement of Formula indicates that your product is formulated only by the addition of various components which do not react to form formulation constituents. The submitted chemistry data series 61 and 62 are satisfied.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely yours,



Marshall Swindell
Acting Product Manager 33
Regulatory Management Branch 1
Antimicrobial Division (7510C)

Ultra-Fresh* PF-1

Fungicide & Bacteriostat

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

*Ultra-Fresh** PF-1 can be used in molded polyurethane foam for building materials; polyurethane foams used in upholstery, mattresses, carpet under padding and backing; cellulosic sponges; polyvinyl coatings (PVC) for outdoor textiles; outdoor canvas, ducking, cotton and nylon used for awnings, tenting, tarps and lawn furniture. For non-food contact surfaces and applications only. *Ultra-Fresh** PF-1 is to be used as directed in the accompanying Technical Data Sheet.

End-use treated articles incorporating this product may not make bacteriostatic or fungistatic claims, other than for preservation or protection of the treated article itself.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

ACTIVE INGREDIENT

2-(4-Thiazolyl)-1H-benzimidazole 25%

INERT INGREDIENTS 75%

Total..... 100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS:

Hazard to humans and domestic animals. Caution. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

FIRST AID

If Swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies call your local poison control center.

EPA Reg. No. 10466-XXX
EPA Est. 70653-TX-001

ACCEPTED
with COMMENTS
EPA Letter Dated:

OCT 27 2004

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended by the pesticide, registered under EPA Reg. No.

10466-44

STORAGE AND DISPOSAL

Prohibitions: Do not store or transport in unlined metal containers. Do not contaminate with strong oxidizing or reducing agents. Do not contaminate water, food or feed by storage or disposal or cleaning of equipment.

Pesticide Disposal: Pesticides are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose in sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

General: Consult Federal, State, or local disposal authorities for approved alternative procedures.

Manufactured for: Thomson Research Associates
95 King Street East, Suite 400
Toronto, Ontario, Canada
M5C 1G4

*Ultra-Fresh** is a registered trademark of Thomson Research Associates Inc

Net Contents:

US Gallons

221004

385

Technical Data Sheet

Ultra-Fresh* PF-1

Fungicide and Bacteriostat

Ultra-Fresh* PF-1 is a tan dispersion designed for controlling the growth of fungus and bacteria in treated articles. Ultra-Fresh* PF-1 can be used in molded polyurethane foam for building materials; polyurethane foams used in upholstery, mattresses, carpet under padding and backing; cellulosic sponges; polyvinyl coatings (PVC) for outdoor textiles; outdoor canvas, ducking, cotton and nylon used for awnings, tenting, tarps and lawn furniture. For non-food contact surfaces and applications only. The non-reactive nature of the formulation enables introduction of the active into foams with little influence on the foam properties.

DIRECTIONS FOR USE

The application levels given below are representative of those found necessary in practice. For each specific use, one or more trial runs are recommended in order to determine the best application level and method of addition for the particular product being treated.

1. Polyurethane Foams and Cellulosic Sponges

Polyurethane foams can be rendered resistant to the growth of microorganisms by the incorporation of Ultra-Fresh* PF-1. Ultra-Fresh* PF-1 can be added directly to the liquid polyol prior to the polymerization reaction with the di-isocyanate (TDI, MDI) at the rate of 0.1% to 0.4% on the final weight of the foam.

2. PVC

PVC can be rendered resistant to the growth of fungi by the incorporation of Ultra-Fresh* PF-1. Add 0.1% to 0.4% by weight of Ultra-Fresh* PF-1 to the resin mix.

~~The Ultra-Fresh* PF-1 products are only intended to confer antimicrobial protection to treated articles, not to protect the people who are using them. Contact your local distributor to confirm that the usage type desired is acceptable according to Federal and local government regulations.~~

PHYSICAL PROPERTIES

Appearance:Opaque
Colour:Off-white to brown
pH:Not applicable
Water Solubility:Insoluble

Pesticide

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HANDLING PRECAUTIONS

Ultra-Fresh* PF-1 should be handled with care and common sense that is accorded to all biologically active chemicals. In case of contact, remove and launder contaminated clothing before reuse. Consult Material Safety Data Sheet for more information.

SPILL CLEAN-UP PROCEDURES

For small spills, absorb with sand, clay or other inert absorbent and place in clean, dry container for disposal. Large spills should be diked to prevent spreading. Pump spilled material to containers for salvage or disposal. Absorb the residual material as for small spills. This product is toxic to fish. Keep discharge from entering sewers, lakes, streams, ponds, estuaries or public water sources. Dispose of in accordance to regulations.

WASTE DISPOSAL PROCEDURES

Dispose of in accordance to regulations.

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TOXICOLOGICAL INFORMATION

Corrosiveness To Skin (Test Species): Not Irritating
Corrosiveness to Eyes (Test Species): Not Irritating
This Product Is: Not sensitizing
Acute Oral LD50 (mg/kg): >2000 Species: Rat

Under the Federal Insecticide,
Fungicide, and Rodenticide Act as
amended, for the pesticide,
registered under EPA Reg. No.

10466-44

FIRST AID

In Case of Eye Contact:

Immediately flush eyes with copious amounts of water for at least 15 minutes while holding eyelids wide apart. If discomfort persists seek medical attention.

In Case of Skin Contact:

Remove contaminated clothing immediately. Wash affected area with mild soap and water. If irritation persists seek medical attention. Wash contaminated clothing and equipment before reuse.

In Case of Inhalation:

Move subject to fresh air. Seek immediate medical attention if irritation persists.

In Case of Ingestion:

If conscious have subject drink one glass of water. Never give anything to an unconscious or convulsing person. Do NOT induce vomiting. Seek immediate medical attention.

NOTICE

The technical information and suggestions for use made herein are based on TRA's research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since TRA has no control over the conditions under which this product is transported, stored, handled, used or applied, it is TRA's intent that its liability on any basis be limited to the price of the product used.